

Appl. No. 10/788,577
Amdt. Dated December 05, 2007
Reply to Office Action of October 17, 2007

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Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A liquid crystal display, comprising:

a backlight module having a light source, a light guide plate, a reflector, and a quarter-wave plate, the light source being disposed adjacent to one side of the light guide plate, and the reflector, the quarter-wave plate and the light guide plate being stacked together from bottom to top in that order; and a plurality of grooves formed directly in a top surface of the light guide plate, the grooves being configured for promoting random diffraction of light, the top surface of the light guide plate being configured for emitting light ~~composed~~ decomposed of two polarization components orthogonal to each other therefrom; and

a liquid crystal panel having a reflective polarizing element, the liquid crystal panel being located on the backlight module, and the reflective polarizing element facing the top surface of the light guide plate.

Claim 2 (canceled).

Claim 3 (original): The liquid crystal display of claim 1, wherein the quarter-wave plate is attached to a bottom surface of the light guide plate.

Claim 4 (canceled).

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Claim 5 (previously presented): The liquid crystal display of claim 1, further comprising a brightness enhancing film disposed between the grooves of the light guide plate and the liquid crystal panel.

Claim 6 (original): The liquid crystal display of claim 5, further comprising a plurality of printing-dots being defined on the bottom surface.

Claims 7-12 (canceled)

Claim 13 (currently amended): A liquid crystal display comprising:
a light guide plate;
a light source located by one side of the light guide plate;
a quarter-wave plate located under said light guide plate;
a reflector located under said quarter-wave plate;
a reflective polarizing element located above the light guide plate; and
a plurality of grooves formed directly in a top surface of the light guide plate, the grooves being configured for promoting random diffraction of light, the top surface of the light guide plate being configured for emitting light ~~composed~~ decomposed of two polarization components orthogonal to each other therefrom.

Claim 14 (currently amended): A liquid crystal display comprising:
a reflective polarizing element;
a quarter-wave plate located under the reflective polarizing element;
a light guide plate interposed between the reflective polarizing element and the quarter-wave plate, the light guide plate having a top surface facing and spaced from the reflective polarizing element, wherein the light guide plate has a plurality of grooves defined in the top surface thereof, the grooves being configured for promoting random diffraction of light, the top

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surface of the light guide plate being configured for emitting light ~~composed~~
decomposed of two polarization components orthogonal to each other
therefrom;

a light source located on one side of the light guide plate; and
a reflector located under said quarter-wave plate.

Claim 15 (canceled).

Claim 16 (canceled).

Claim 17 (previously presented): The liquid crystal display of claim 13,
further comprising a plurality of printing-dots being defined on a bottom
surface of the light guide plate.

Claim 18 (previously presented): The liquid crystal display of claim 13,
wherein the top surface of the light guide plate faces the reflective polarizing
element.

Claim 19 (previously presented): The liquid crystal display of claim 13,
further comprising a brightness enhancing film disposed between the
grooves of the light guide plate and the liquid crystal panel.

Claim 20 (previously presented): The liquid crystal display of claim 17,
wherein the quarter-wave plate is attached to the bottom surface of the light
guide plate.